Pollution Prevention Investment Fund (P2IF)

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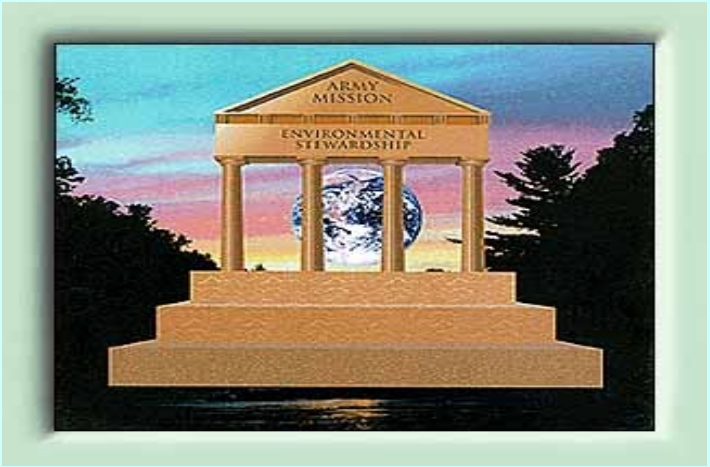

Agenda

- Background
- Objectives
- Benefits
- Eligibility
- Project Prioritization
- Status
- Application Process
- Points of Contact

Background

In FY97, the Assistant Chief of Staff for Installation Management (ACSIM) established the Pollution Prevention Investment Fund (P2IF).

Objectives

- Allocate limited pollution prevention (P2) resources Army-wide.
- Allow projects to compete for funding based on payback and other criteria.
- Focus on implementing source reduction technologies.
- Emphasize P2 approach to compliance.

Objectives (cont.)

- Provide a centralized request for OPA (Other Procurement, Army) dollars.
- Fund P2 projects that:
  - reduce or minimize hazardous & non-hazardous material purchase, use, and disposal - *Source Reduction.*
  - Implement a P2 approach to environmental compliance - *Compliance through P2.*
  - support Department of Defense (DoD) P2 Measures of Merit.

Benefits

- Provide actual cost benefit data on P2 applications.
- Assess Army-wide implementation of P2 applications.
- Assess central procurement possibilities for P2 applications.
- Reduce compliance costs.

Benefits (cont.)

- Evaluate proposed projects for consistency with current technology.
- Provide an opportunity to obtain funding for projects that otherwise might not get funded.

Who Is Eligible?

The P2IF is available to Army activities, including Army National Guard and Army Reserve.

Project Prioritization

- Initially, priority was based on return on investment only.
- Currently developing an enhanced prioritization system based on return on investment, waste reduction and toxicity.

Program Status

- FY97 - Funded 8 projects for $325K with estimated annual cost avoidance of $274K and an estimated payback of 1.2 years.
- FY98 - Funding not available.
- FY99 - Funded 88 projects for $7.5M with estimated annual cost avoidance of $5.7M and an estimated payback of 1.3 years.
- FY00 through FY05 - Programmed at $10M per FY.

FY97 Statistics

- 8 projects totaling $325K

  - *3 from Army Materiel Command*
  - *3 from Forces Command*
  - *2 from Training & Doctrine Command*

FY97 - Lessons Learned

Fort Carson: Weapons Cleaners

- Solvent substitution for chlorinated solvents
- Reduced weapons cleaning time by 75%
  - Freed up labor hours to divert to other mission use.
- Exceeded estimated payback time

FY97- Lessons Learned

Army Research Laboratory: Digital Film Equipment

- Eliminated the need to pay for film and film processing
- Reduced the use of wet chemistry
- Saved labor hours for film drop off and pick- up
- Reduced turnaround time to customer
- Payback of approximately 2 years achieved

FY97 - Lessons Learned

Fort Hood: Paint Can Bulking

- Provided remedy for excess paint and cans from vehicle and facility painting through the use of can crushers
- Reduced waste stream by approximately 53K pounds
- Achieved actual payback in 6 months, exceeding estimated payback

FY97- Lessons Learned

Fort Hood: Paint Can Bulking (cont.)

- Eliminated the Department of Transportation (DOT) requirement for storage boxes
- Realized an actual cost avoidance of approximately $54K
- Recycling initiative w/Defense Reutilization Marketing Office (DRMO) for non-HW paint pending

FY97- Lessons Learned

Fort Monmouth: Solvent Recovery System

- New P2 equipment boils soil and solvents, and extracts contaminants
- Eliminated methylene chloride from process
- Realized an annual cost avoidance of approximately $24K
- Payback achieved of approximately 1.5 years
- Reduce labor hours by approximately 66%

FY99 Opportunities

- In FY99 the P2IF identified a large number of requests for aqueous parts washers which had not been properly validated by appropriate Army managers. The P2IF initiated and funded a project to resolve the parts washer validation issue. By resolving this issue, the Army may realize huge cost savings and reduce the waste stream significantly.

Application Process

- Submit a complete and accurate Environmental Program Review (EPR) record.
  - ***Do not duplicate submissions***
- Deadline for FY00.
  - ***Projects accepted via EPR, 14 May 99.***
  - ***For FY00 only, projects will be accepted outside the EPR cycle, 31 May 99.***
- USAEC reviews and prioritizes projects.
- HQDA and MACOM review projects.
- USAEC distributes funds.

Points of Contact

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